Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1277P Coax - Mini Hi-Res Component Video Cable



For more Information please call

1-800-Belden1



General Description:

25 AWG solid .018" tinned copper conductors, FPFA insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), PVDF inner jackets, PVC jacket.

Usage (Overall)

Suitable Applications:

RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices, Boardrooms, Auditoriums, Teleconferencing, Theaters

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	25	Solid	TC - Tinned Copper	.018

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPFA - Foam Perflouoroalkoxy	0.074

Inner Shield

Inner Shield Material:

Layer#	Inner Shield Trade Name	Туре	Inner Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Poly Tape-AluminumLightly bonded to dielectric	100
2		Interlocked Serve	TC - Tinned Copper	95

3

Inner Jacket

Inner Jacket Material:

	Nom. Dia. (in.)
PVDF - Fluorocopolymer	.111

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

Outer Jacket

Outer Jacket Material:

Outer	Jacket Material
PVC -	Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.276 in.

Me	Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-20°C To +75°C				
	UL Temperature Rating:	60°C				
	Non-UL Temperature Rating:	75°C				
	Bulk Cable Weight:	38 lbs/1000 ft.				
	Max. Recommended Pulling Tension:	50 lbs.				
	Min. Bend Radius (Each Coax):	1.100 in.				
	Min. Bend Radius (Overall):	2.750 in.				

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMF

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CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	NFPA 262
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	1277R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



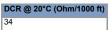
Nominal Velocity of Propagation:



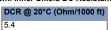
Nominal Delay:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.5
5	1.2
50	3.8
100	5.2
200	7.1
400	10.0
750	14.3
1000	16.9
2250	25.5
3000	33.9

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

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Minimum Return Loss:

De	escription	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
			5	850	20

Sweep Test

5 - 850 MHz Sweep Testing:

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1277P 0081000	1,000 FT	41.000 LB	GRAY	С	3 #25 FPFA SH FLRST FLRST
1277P 008500	500 FT	20.500 LB	GRAY	С	3 #25 FPFA SH FLRST FLRST

C = CRATE REEL PUT-UP.

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